
HD Digital Satellite Set-Top Box

User's Manual

HDCI-5000

The default password is 0000.



HUMAX

Notice

Thank you for purchasing a HUMAX product. Please read this user's manual carefully to be able to safely install, use and maintain the product at maximum performance. Keep this user's manual next to your product for future reference. The information in this user's manual is subject to change without notice.

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Warranty

The warranty does not cover parts which may become defective due to misuse of the information contained in this manual.

Trademarks

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Notice

Warnings, Cautions and Notes

Throughout the whole manual, pay special attention to the following marks that indicate hazardous situations.

- **Warning**
Indicates a hazardous situation which could result in serious injury.
- **Caution**
Indicates a situation which could damage the equipment or other apparatus.
- **Note**
Indicates additional information to make the user aware of possible problems and information of any importance to help understand, use and maintain the installation.

Meaning of Symbols



To reduce the risk of electric shock, do not remove cover (or back). No user serviceable parts inside. Refer servicing to qualified service personnel.



This symbol indicates **dangerous voltage** inside the product that presents a risk of electric shock or personal injury.



This symbol indicates important instructions accompanying the product.

Instruction about the 'WEEE' Symbol



This product should not be disposed with other household wastes at the end of its working life. Please separate this from other types of wastes and recycle it responsibly to promote the sustainable reuse of material resources. This will prevent possible harm to the environment or human health from uncontrolled waste disposal.

- **Domestic users:**
Please contact either the retailer where you purchased this product or their local government office for details of where and how they can take this item for environmentally safe recycling.
- **Business users:**
Contact your supplier and check the terms and conditions of the purchase contract. This product should not be mixed with other commercial wastes for disposal.

Safety Warning

This product has been manufactured to comply with international safety standards. Please read the following safety precautions carefully.

Safety Instructions and Precautions

1. MAINS SUPPLY

90-250V a.c., 50/60Hz

- Operate this product only from the type of power supply indicated on the marking label. If you are not sure of the type of power supplied to your home, consult your local power company.
- Disconnect the product from the mains before you start any maintenance or installation procedures.

2. OVERLOADING

- Do not overload a wall outlet, extension cord or adapter as this may result in electric fire or shock.

3. LIQUID

- The product should not be exposed to liquid of any kind. In addition, no objects filled with liquid should be placed on the apparatus.

4. CLEANING

- Disconnect the product from the wall outlet before cleaning.
- Use a light damp cloth (no solvents) to dust the product.

5. VENTILATION

- The slots on top of the product must be left uncovered to allow proper airflow into the unit.
- Do not stand the product on soft furnishings or carpets.
- Do not stack electronic equipments on top of the product.

6. ATTACHMENTS

- Do not use any unsupported attachments as these may be hazardous or cause damage to the product.

7. CONNECTION TO THE SATELLITE DISH LNB

- Disconnect the product from the mains before connecting or disconnecting the cable from the satellite dish. Failure to do so can damage the LNB.

8. CONNECTION TO THE TV

- Disconnect the product from the mains before connecting or disconnecting the cable from the TV. Failure to do so can damage the TV.

Safety Warning

9. EARTHING

- The LNB cable must be earthed to the system earth for the satellite dish.

10. LOCATION

- Place the product indoors to avoid exposing it to lightning, rain or sun.
- Do not place it near a radiator or heat register.
- Make sure it has more than 10 cm clearance from any appliances susceptible to electromagnetic influences, such as a TV or a VCR.
- Do not block the openings with any object, and do not place the product on a bed, sofa, rug, or other similar surface.
- If you place the product on a rack or a bookcase, ensure that there is adequate ventilation and that you have followed the manufacturer's instructions for mounting.
- Do not place the product on an unstable cart, stand, tripod, bracket, or table where it can fall.
- A falling product can cause serious injury to a child or adult, and serious damage to the appliance.

11. LIGHTNING, STORM OR NOT IN USE

- Unplug the product from the wall outlet and disconnect the antenna during a thunderstorm or when left unattended and unused for long periods of time. This will prevent damage to the unit due to lightning and power-surges.

12. EXTRANEEOUS OBJECTS

- Do not insert anything through the openings in the unit, where they can touch dangerous voltage points or damage parts.

13. REPLACEMENT OF PARTS

- When replacement of parts is required, be sure the service technician uses replacement parts specified by the manufacturer or those that have the same characteristics as the original part. Unauthorized substitution may result in additional damage to the unit.

Safety Warning

Warning

1. To avoid damage of the power cord or plug;

- Do not modify or process the power cord or plug arbitrarily.
- Do not bend or twist the power cord.
- Make sure to disconnect the power cord holding the plug.
- Keep heating appliances as far as possible from the power cord in order to prevent the cover vinyl from melting.
- The mains plug, as a disconnection device, shall remain readily accessible by the user.

2. To avoid electrical shock;

- Do not open the main body.
- Do not insert metal or inflammable objects inside the product.
- Do not touch the power plug with wet hands.
Disconnect the power cord in case of lightning.

3. To avoid damage of product;

- Do not use the product when it is out of order. If you continue to use the product when defective, serious damage can be caused to it. Make sure to contact your local product distributor if the product is out of order.
- Do not insert metal or alien substance into the slots for the modules or Smartcards. It may cause damage to the product and reduce its life span.

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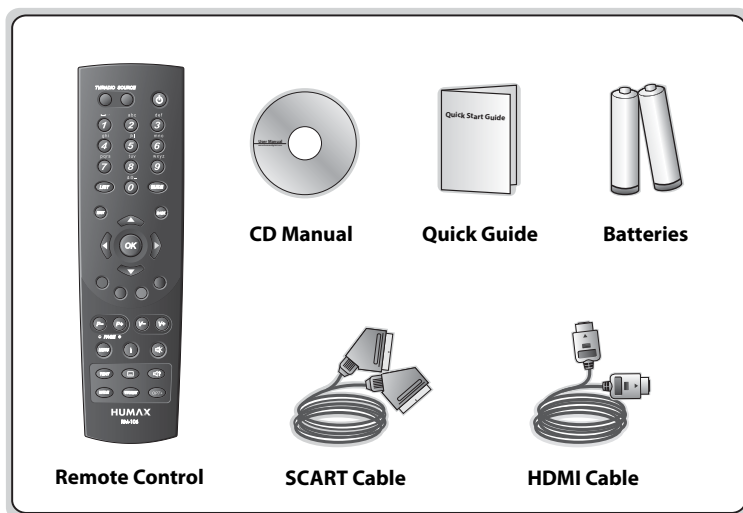
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1. Before Using the Product

This chapter provides detail instructions on the product and its accessories.

1.1 Package Contents

Please check all package contents before using your product.

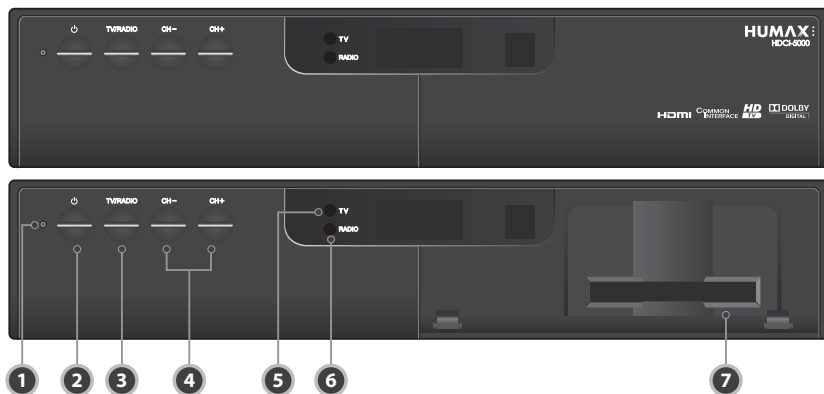


Note:

- Faults may occur if the remote control is left without battery for a long time. Always keep the battery inserted in the remote control.
- Package contents may vary according to area.

1. Before Using the Product

1.2 Front Panel



1. **STANDBY LED**

Red light is emitted when the product is in standby mode.

2. **STANDBY BUTTON**

Switches between operation and standby modes.

3. **TV/RADIO BUTTON**

Switches between TV and radio modes.

4. **CH-/CH+ BUTTON**

Moves the TV/radio channel up or down.

5. **TV LED**

Green light is emitted when the product is in TV mode.

6. **RADIO LED**

Amber light is emitted when the product is in radio mode.

7. **CI-MODULE SLOT**

A slot for a CI-Module

Note: The front panel of the product is subject to change without notice.

1. Before Using the Product

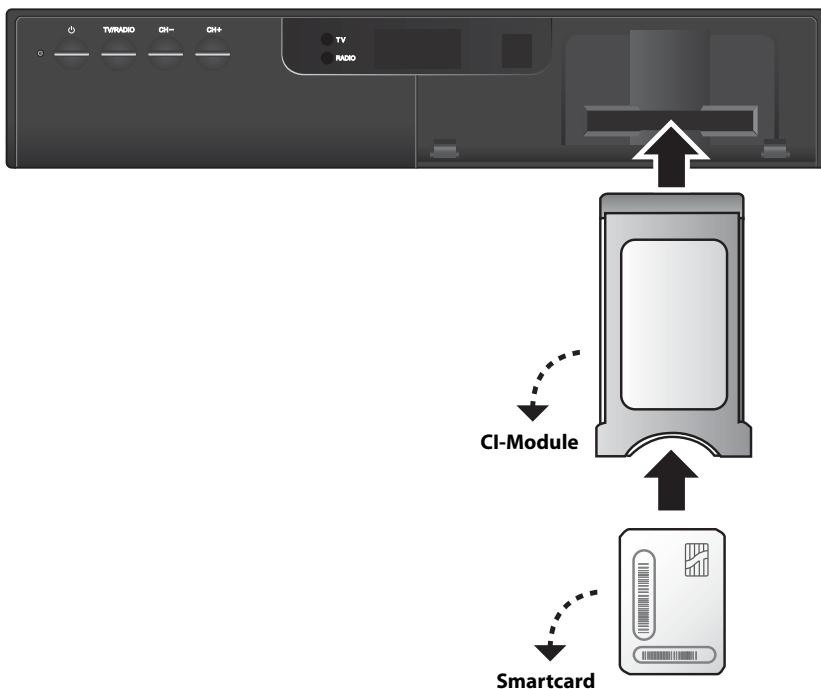
1.3 Conditional Access

Although some TV and radio channels are free to air, most TV and radio/music channels are available on a subscription basis and can only be enjoyed via a Conditional Access component.

1. Inserting a CI (with Smartcard)

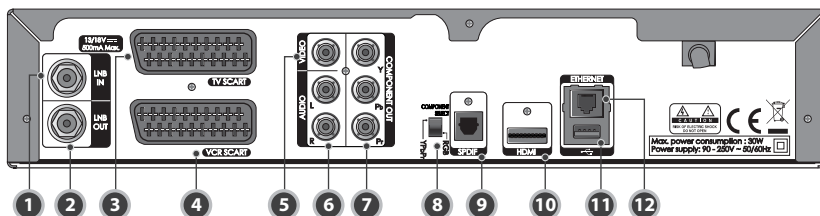
A CI-Module looks like a PC map (PCMCIA) for laptops. There are different kinds of CI-Modules, suitable for different coding systems; Irdeto, Conax and more. Additionally to the CI-Module, a Smartcard is needed to decode the channels.

1. Open the right-hand flap on the front panel of the product to expose the card slot.
2. Follow the instructions of the module and insert the Smartcard into the CI-Module.
3. Keep the CI-Module (with the Smartcard) horizontal.
4. Insert the CI-Module into the slot.



1. Before Using the Product

1.4 Rear Panel



- 1. LNB IN**
Connects a satellite antenna cable.
- 2. LNB OUT**
Connects another digital satellite receiver.
- 3. TV SCART**
Connects to the TV using a TV SCART cable.
- 4. VCR SCART**
Connects to the VCR or DVD using a VCR SCART cable.
- 5. VIDEO**
Connects to the TV or VCR using an RCA cable.
- 6. AUDIO L/R**
Connects to the TV or VCR using an RCA cable.
- 7. COMPONENT (YPbPr)**
Connects to the TV or VCR using a component cable.
- 8. COMPONENT SELECT**
Switch for changing video. (default: YPbPr)
- 9. S/PDIF**
Connects to the audio system using an S/PDIF cable. (digital audio)
- 10. HDMI**
Connects to the TV using an HDMI cable.
- 11. USB Host**
Connects to the USB memory or external HDD.
- 12. ETHERNET**
Service port

Note: The rear panel of the product is subject to change without notice.

1. Before Using the Product

1.5 Remote Control



- 1. SOURCE**
Controls the output of TV SCART.
- 2. TV/RADIO**
Switches between TV and radio modes.
- 3. NUMERIC(0-9) BUTTONS**
Enters a TV/radio channel number or menu option number.
- 4. OPT+(Option)**
Displays the channels attributes while watching a programme.
- 5. EXIT**
Exits all On-Screen Display (OSD) screens.
- 6. ARROW BUTTONS**
Changes the channel, adjusts the audio volume or moves the cursor up, down, left or right.
- 7. COLOUR BUTTONS(R/G/Y/B)**
Select the colour keys for interactive applications.
- 8. P-/P+**
Changes the channel or page.
- 9. MENU**
Displays the main menu.
- 10.SUBTITLE**
Displays the subtitle language list.
- 11.TEXT**
Switches between the teletext and TV modes.
- 12.WIDE**
Sets the display format.

1. Before Using the Product



13. STANDBY

Switches between operation and standby modes.

14. GUIDE

Displays the programme guide.

15. BACK

Closes and returns to the previous menu and screen.

16. OK

Selects a menu or confirms the selected operation. Displays the channel list while watching a programme.

17. V-/V+

Adjusts the audio volume.

18. i (INFORMATION)

Displays the channel and programme information.

19. MUTE

Mutes or unmutes the audio temporarily.

20. AUDIO

Displays the audio list.

21. SLEEP

Sets the sleep time.

22. V-FORMAT

Changes the resolution of video.

Note: The remote control of the product is subject to change without notice.

2. Setup

This chapter describes how to connect your product to the TV with the particular equipments for gaining optimum signal quality. The product provides various interfaces to connect to the TV, VCR or other devices. Select the most appropriate procedure depending on the equipment you have.

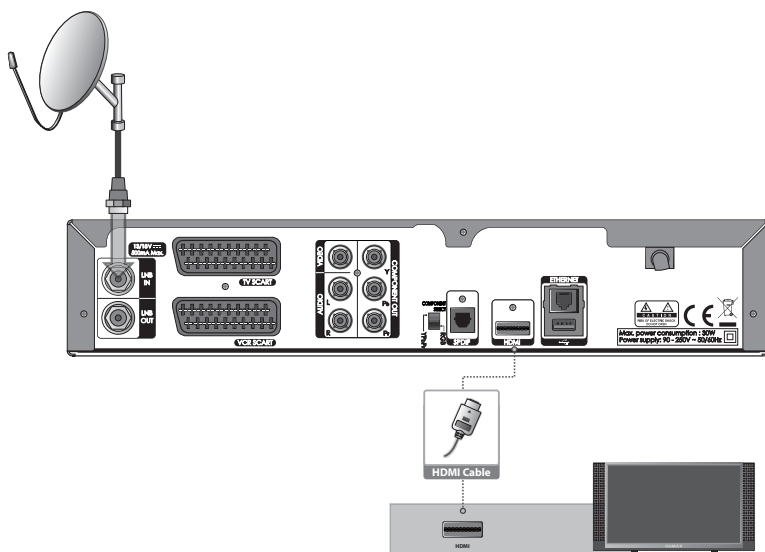
Note: If you encounter any problems setting up your product, please contact your local product distributor.

2.1 Connecting the TV and VCR

You can select one of the following antenna connections depending on the equipment you have.

1. Using HDMI Cable

The HDMI connection is recommended for Digital TV. In case the TV has a HDMI input connector, a special all-digital interface that provides the highest picture quality, connect the product and the TV using a HDMI cable as follows.



2. Setup

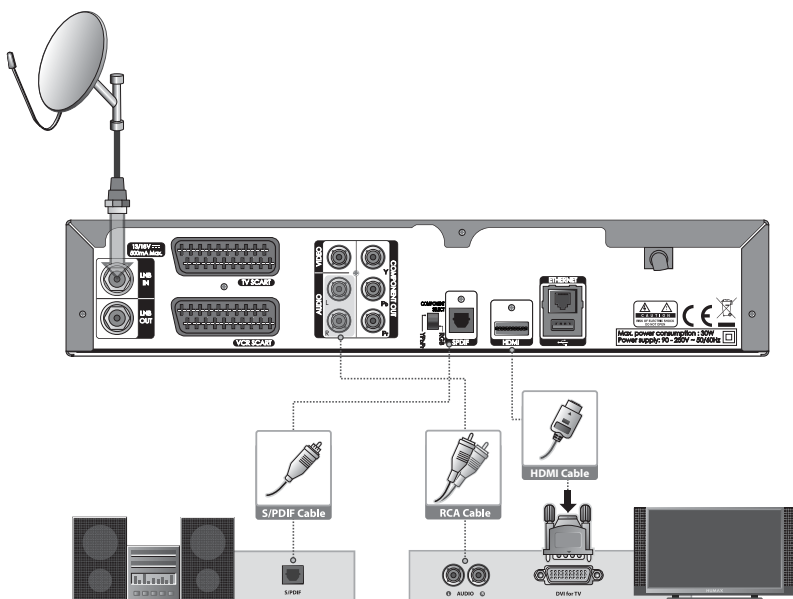
2. Using DVI Connector

The DVI connection using an HDMI to DVI converter is recommended for Digital TV. In case the TV has the DVI input connector only, connect the product to the TV with an HDMI cable using an HDMI to DVI converter as follows.

1. Connect the antenna to the LNB IN.
2. Connect one end of the HDMI cable to the HDMI input on the product and the other end to the HDMI to DVI converter.
3. Connect the DVI converter to the TV.

For audio, you can either

- 4-1. Connect the product and the Dolby Digital decoder using an S/PDIF cable.
- 4-2. Connect the product and the TV using an RCA cable (Audio L/R).



2. Setup

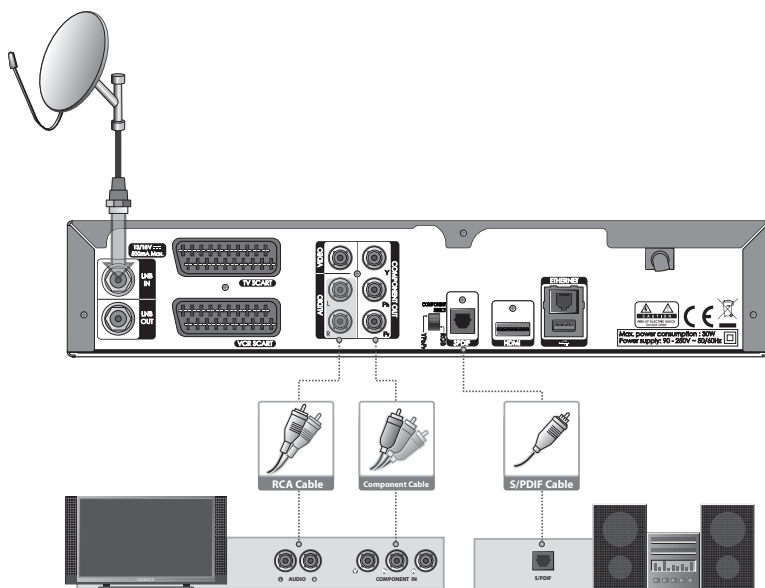
3. Using Component Cable

The component connection is recommended for Digital TV. Connect the product and the TV using a component cable as follows.

You can either:

- 1-1 Connect the product and the TV using an RCA cable (Audio L/R).
- 1-2 Connect the product and the Dolby Digital decoder using an S/PDIF cable.

Note: The **Component Select** switch should be on **YPbPr** when using the component cable.



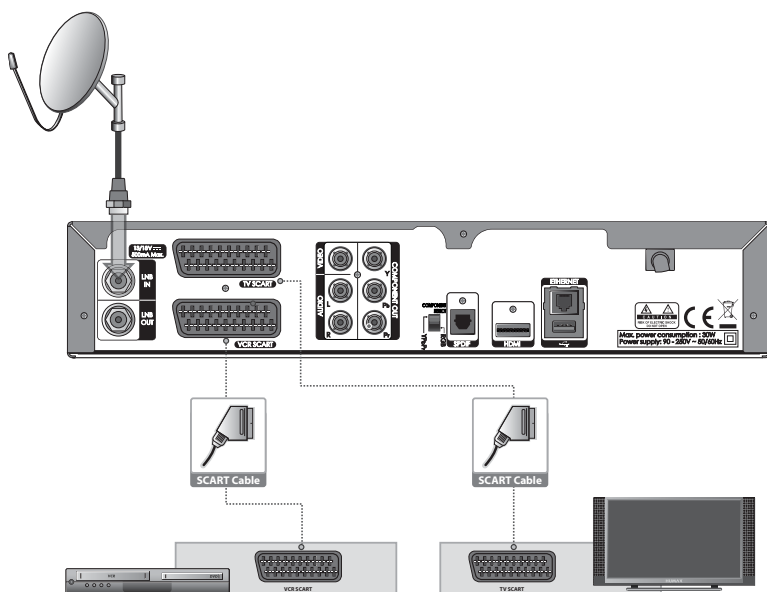
2. Setup

4. Using SCART Cable

A SCART cable connection is recommended for analogue TV or VCR.

1. Connect the product and the TV using a SCART cable.
2. Connect the product and the VCR using a SCART cable.

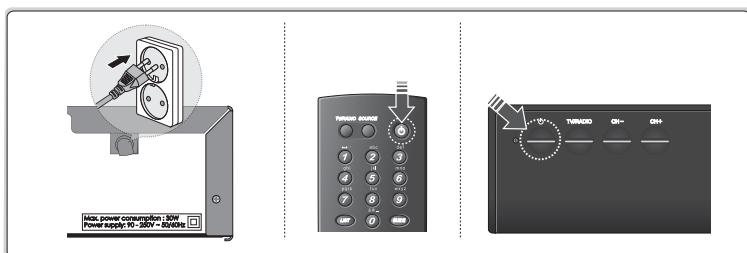
Note: The **Component Select** switch should be on **RGB** when using the SCART cable.



2. Setup

2.2 Powering On

1. Connect the power cord of the product to a wall outlet.
2. Power on by pressing the **STANDBY** button of the remote control or the **STANDBY** button at the front of the product.



3. Installation Wizard

When powering on your product for the first time after purchase, the installation wizard will operate automatically.

Tip: The default password is **0000**. If you have forgotten your password, please contact your local product distributor.

1. Language

Select the appropriate language from the list.



2. Time Zone

Select the country. If you have selected **Other**, select the appropriate time zone.



3. Antenna Type

Select **Fixed Antenna** if you are using a fixed antenna and select **SCD Antenna** if you are using a single cable system antenna.



3. Installation Wizard

4. Default Channels

The satellites of the default channel list which belong to the country you have selected will appear. Select **Yes** to go to the display menu or select **No** to move to antenna setting.



5. Antenna Setting

Configure the antenna setting parameters.



6. Search Channels

Channel search will activate and the results will appear.



3. Installation Wizard

7. Display

Select the value for **Screen Ratio**, **Display Format** and **Resolution**.



8. Result

After all setting is complete, you can view the result screen. Select **Finish** to complete the installation wizard.



4. Basic Operation

This chapter describes the basic functions the product provides such as switching channel, volume control and other common features.

1. Switching Channel

You can switch the current channel by pressing the **P-/P+** button or entering the channel number directly using the **NUMERIC(0-9)** buttons.

2. Volume Control

Press the **V-/V+** button to adjust the audio volume. Press the **MUTE** button to stop the audio temporarily.

3. Resolution

Press the **V-FORMAT** button while watching a programme. The current resolution will be displayed. Each time you press the **V-FORMAT** button, the resolution changes.

4. Sleep

Press the **SLEEP** button while watching a programme to set the sleep time. Each time you press the **SLEEP** button, the sleep time changes.

5. Wide

You can set the display format. Press the **WIDE** button while watching a programme to change the display format. Each time you press the **WIDE** button, the display format changes.

6. Audio

Press the **AUDIO** button and select the audio language you prefer. Select audio direction (left, right, stereo) using the **◀/▶** button.

7. Subtitle

Press the **SUBTITLE** button and select the required subtitle language and press the **OK** button. The subtitle will be displayed in the selected language at the bottom of the screen.

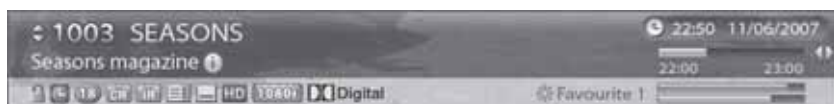
4. Basic Operation

8. Teletext

Press the **TEXT** button. To display the teletext menu, press the **MENU** button in teletext mode. Select the teletext function you want and press the **OK** button.

9. Programme Information (i-plate)

The i-plate is always displayed for a certain period of time whenever you switch channels. Press the **i** button while watching a programme. Press the **i** button again to view detailed information.



5. Channel List

This chapter will help you manipulate the channel list. You can display the channel list by pressing the **OK** button while watching a programme.

My TV (RED)	<ul style="list-style-type: none"> • TV: The list of all TV channels. • Radio: The list of all radio channels. • HD TV: The list of all HD TV channels. • Recently Viewed: The list of the recently viewed channels.
Favourite (GREEN)	The list of the favourite channels in five groups. <ul style="list-style-type: none"> • Most Viewed: The list of the most watched channels.
Satellite (YELLOW)	The lists of channels classified by satellites.
Scramble (BLUE)	The lists of channels classified by CAS types.

Select the channel you wish to view and press the **OK** button. You can also enter the channel number using the **NUMERIC(0-9)** buttons.

Note: You can switch between TV and radio by simply pressing the **TV/RADIO** button.



6. TV Guide

TV Guide displays the programme information of each channel, in time and date order. You can customize your own programme guide to list the channels or programmes of interest to you and schedule your viewing using the programme information.

1. Table Guide

You can view the programme information of all channels in time and date order.



2. List Guide

EPG List displays the programme information for approximately a week.



3. Schedule

Schedule displays the list of the programmes reserved. You can modify, delete or make new reservations.



4. Find

Find enables you to find the programme you want by entering the genre, name, time and day of the programme.



7. Menu

7.1 Preferences

In this chapter you can set parental control, language setting, time setting, A/V setting and other configuration items to keep limitations where you want them for the viewers.

1. Parental Control

Age Limit, Change Password, Installation Lock

2. Language Setting

Menu Language, Subtitle Display, Subtitle Font

3. Time Setting

Country, GMT Offset, Daylight Saving Time, Power ON, Power On Channel, Power OFF

4. A/V Setting

TV SCART, VCR SCART, Audio Output, Dolby Digital Auto Selection, Lip-Sync, Screen Ratio, Display Format, Letter and Pillar Box Colour

5. Other Settings

Info Display Time, OSD Transparency, Power Saving in Standby



7. Menu

7.2 Edit Channels

In this chapter you can edit all channels in the channel list or make changes to the favourite lists of the channels you have chosen.

1. Edit Channel List

You can delete, move, select, rename or lock/unlock the channels in the channel list conveniently.



2. Edit Favourite List

You can add or remove channels from the favourite groups, move favourite channels, rename favourite groups and move the favourite groups.



3. Import/Export Channels

The channel data can be imported from the USB to the receiver or exported from the receiver to a USB device (such as USB memory stick). The file format of the channel data is .udf format.

1. Download the **Uniforma** programme into your PC (<http://www.humaxdigital.com>) and install the **Uniforma**.
2. Connect the USB to the PC and then to the receiver.
3. Select **Import Channels from USB** using the ▲/▼ button and press the OK button.



Note: For more information about how to use the **Uniforma**, refer to the **Help>Contents** menu in the **Uniforma**.

4. Display History List

You can choose to display the history list in the channel list.

7. Menu

7.3 Installation

In this chapter you can configure the installation setting and perform channel search. Menus such as antenna setting, search channels, software update and default setting are included in this section.

1. Antenna Setting [Fixed]

MENU → Installation → Antenna Setting [Fixed]

You can set the antenna and LNB information for channel search. If the antenna is not properly set, channel search cannot be activated which means you cannot watch any of the programmes on air.

1. Antenna Type

Select **Fixed Antenna**.



3. Satellite Setting

Enter the value for **Satellite, LNB Frequency, 22kHz Tone, DiSEqC Input, LNB Power, Transponder** and save.

Select **Search** and press the **OK** button to go to search channels.



3. Transponder

Transponder setting is normally fixed. Change the setting only when necessary.

To change the transponder setting, select **User Define** in **Transponder** and enter the value for **Frequency, Polarisation, Symbol Rate, Transmission, Modulation** and **FEC**.



7. Menu

2. Antenna Setting [SCD Antenna]

MENU → Installation → Antenna Setting [SCD Antenna]

1. Antenna Type

Select **SCD Antenna**.

2. User Band

Select from **User Band 1-8**.

3. Band Frequency

When selecting **User Band 1-8** in **SCD Antenna**, the default value is displayed. You can also enter the **Band Frequency** directly.



4. Satellite Setting

Enter the value for **Satellite**, **LNB Frequency**, **LNB Power**, **Satellite Position**, **Transponder** and save. Select **Search** and press the **OK** button to go to search channels.



7. Menu

3. Antenna Setting [Motor]

MENU → Installation → Antenna Setting [Motor]

1. Antenna Type

Select **Motor Antenna**.

2. Satellite Setting

- **Motor Setting**
Enter the value for **LNB Frequency**, **LNB Power**, **Motor Type**, **My Longitude** and **My Latitude**.
- **Edit Satellite Data**
Enter the value for **Satellite**, **Activate Satellite** and **Satellite Longitude**.
- **Position Setting**
Enter the value for **Satellite**, **Transponder**, **Motor Driving**, and **Driving Size**.
- **Limit Setting**
Enter the value for **Motor Limit** and **Limit Position**.

Select **Search** and press the **OK** button to go to search channels.



7. Menu

4. Antenna Setting [SMATV]

MENU → Installation → Antenna Setting [SMATV]

1. Antenna Type

Select **SMATV**. Select **Search** and press the **OK** button.

2. Automatic Search

Enter the value for **Scrambled Type**, **Start Frequency**, **End Frequency** and **Symbol Rate (1)-(4)**.



3. Manual Search

Enter the value for **Scrambled Type**, **Frequency**, **Symbol Rate**, **Transmission**, **Modulation** and **FEC**.

Select **Search** and press the **OK** button to start channel search.

5. Software Update

MENU → Installation → Software Update

1. Automatic Update

When new software is detected, you can choose to download the software immediately or save for later.

2. Manual Update

Enter the value for **Satellite**, **Frequency**, **Polarisation**, **Symbol Rate**, **Transmission**, **Modulation** and **FEC**.



7. Menu

6. Default Setting

MENU → Installation → Default Setting

You can restore the product to the factory default.



7.4 System

1. Status

You can view the model name, software version, loader version, system ID, update date, Micom version and MAC address of the product. The CI-Module slot is also displayed.

2. Signal Detection

You can view the satellite, transponder information, signal strength and quality of the tuner.



3. Common Interface

You can view the CI-Module information.

8. Software Update

In order to maintain proper performance of the product, it is essential to have the most up-to-date software. Visit the Humax website to check the latest news and newly released software versions. (<http://www.humaxdigital.com>) It is recommended that you periodically check for the availability of software update.

8.1 OTA (Over the Air)

OTA, an abbreviation of **Over-the-Air**, is a standard for the transmission of software through a broadcast system. OTA is simply an alternative method for downloading software versions. However, the manufacturers reserve the right for deciding the release of the software for their products by beaming the latest software versions over the air via satellite. Note that OTA is only limited to certain geographical regions mainly due to different antennas having different footprints (area where the signal can be received). The software update via satellite will only occur under the following circumstances.

1. The equipment should have the appropriate loader software.

Caution: Please note that if the normal loader software is not equipped, the product may not be updated or operate properly after software update.

2. The manufacturer decides to release the software via a designated satellite.
3. The equipment must be tuned properly to the same antenna equivalent to that of the manufacturer.
4. Update software when the signal strength and quality is high. If the weather is not favorable, and the signal strength and quality are not recommendable, perform the software update later.

Caution:

- Please be careful to keep the power on and the power cord plugged in during software update. If the power is off during software update, fatal damage may be caused to the product.
- Please be careful not to pull out the signal line (LNB cable) during software update. Update may be interrupted and the product may not operate.

Note:

- It may take 5~10 minutes to update software.
- Other functions will not activate while software update takes place.
- You cannot schedule programmes during software update.

9. Appendix

9.1 Specification

Tuner & Channel	
No of Tuners	1
Input Connector	F-Type, IEC 169-24, Female
Frequency Range	950MHz to 2150MHz
Signal Level	-25 to -75dBm
LNB Power & Polarisation	Vertical : +13.5V (+14.5V at high voltage) Horizontal : +18V (+18.5V at high voltage) Current : Max. 500mA (Overload protection)
22KHz Tone	Frequency : 22 ± 4 KHz Amplitude : 0.7 ± 0.2 V
DiSEqC Control	Version 1.0, 1.2, USALS, SCD (Single Cable Distribution)
Demodulation	QPSK, 8PSK
Input Symbol Rate	DVB-S : 2-45Ms/s DVB-S2 : 10-30Ms/s (QPSK), 10-31Ms/s (8PSK)
FEC Mode	DVB-S: Auto, 1/2, 2/3, 3/4, 5/6, 7/8 DVB-S2: Auto, 1/2, 3/5, 2/3, 4/5, 5/6, 8/9, 9/10 (QPSK) Auto, 3/5, 2/3, 3/4, 5/6, 8/9, 9/10 (8PSK)
MPEG Transport Stream A/V Decoding	
Transport Stream	MPEG-2 ISO/IEC 13818 Transport Stream Specification
Profile Level	MPEG-2MP@ML, MPEG-2MP@HL, MPEG-4 HP@L4.1
Input Rate	15MB/s Max
Video Format	4:3, 16:9
Video Resolution	1080i, 720p, 576p, 576i
Audio Decoding	MPEG/MusiCam Layer I & II, AC3 downmix
Audio Mode	Single channel/Dual channel/Joint stereo/Stereo

9. Appendix

Memory	
Flash Memory	8MB
RAM	128MB
EEPROM	8KB
Audio/Video/Data In/Out	
Video	TV-SCART(CVBS,S-Video,RGB) VCR-SCART(CVBS, S-Video) RCA-Type(CVBS), YPbPr(RCA), HDMI
Audio	TV-SCART, VCR-SCART, Audio L/R, S/PDIF(Digital Audio Output)
Data Port	
USB	USB 2.0 Host (5 V \approx 100mA Max.)
Power Supply	
Input Voltage	90-250V a.c., 50/60Hz
Type	SMPS
Power Consumption	Max. 30W
Protection	Separate internal fuse. The input should be protected against lightning.
Physical Specification	
Size	310mm \times 60mm \times 237mm
Weight (Net)	1.8Kg
Operating Temperature	0 °C to +45 °C
Storage Temperature	-10 °C to +70 °C

9. Appendix

9.2 Service and Support

Information concerning troubleshooting, software upgrade and product support is provided in the following websites and call centers. Should your product require warranty service, please contact HUMAX to obtain the appropriate authorization.

Deutschland

Tel:	01805-778870 (€ 0,14/Min)
Öffnungszeiten:	Mo-Fr 8:00-23:00 Uhr, Sa-So 8:00-20:00 Uhr
E-mail:	support@humax-digital.de
Website:	www.humax-digital.de
Sprache:	Deutsch/Englisch/Türkisch

UK

Tel:	0870 247 8800
Opening Hours:	Mon-Fri 8:30-21:00
E-mail:	uksupport@humax-digital.co.uk
Website:	www.humax-digital.co.uk
Language:	English

Italia

Tel:	899 100 080 (€1+ VAT/min)
Orario:	Lun.-Ven. 8:00-18:00
Lingua:	Italiano

Sverige

Tfn:	+46 (0)550 85527
Öppettider:	Mån-fre 08:00-16:30
Språk:	Svenska/engelska

Suomi

Puh:	+358 9 56186 130
Aukioloajat:	ma-pe 8:00-16:00
Kieli:	Suomi/Englanti

Austria

Tel:	0820 400675 (€0,14/min)
Opening Hours:	Mon-Sun 8:00-23:00
E-mail:	support@humax-digital.de
Website:	www.humax-digital.de
Language:	Deutsch/English/Turkish

Note: For hardware repair, please visit our website.

9. Appendix

9.3 OPEN SOURCE SOFTWARE NOTICE

HUMAX products use certain open source operating system software distributed pursuant to GNU GENERAL PUBLIC LICENSE Version 2 and GNU LESSER GENERAL LICENSE Version 2.1 each as defined and published by the Free Software Foundation, Inc.

The following GPL and LGPL software source codes used in this product can be provided. Please contact us at gnu@humaxdigital.com.

GPL Software

linux
busybox

LGPL Software

uClibc

The GNU General Public License (GPL)

Version 2, June 1991

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Preamble

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9. Appendix

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that redistributors of a free program will individually obtain patent licenses, in effect making the program proprietary. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

The precise terms and conditions for copying, distribution and modification follow.

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Program.

9. Appendix

In addition, mere aggregation of another work not based on the Program with the Program (or with a work based on the Program) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may copy and distribute the Program (or a work based on it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you also do one of the following:
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9. Appendix

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9. Appendix

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Ty Coon, President of Vice

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Version 2.1, February 1999

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9. Appendix

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Preamble

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

We call this license the "Lesser" General Public License because it does Less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers Less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

9. Appendix

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore,

Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a “work that uses the Library”. Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a “work that uses the Library” with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a “work that uses the library”. The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a “work that uses the Library” uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a “work that uses the Library” with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer’s own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

- a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable “work that uses the Library”, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)
- b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user’s computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.
- c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
- d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
- e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the “work that uses the Library” must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:
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9. Appendix

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